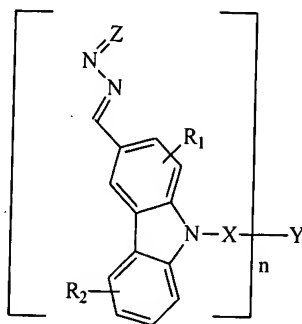


ORGANOPHOTORECEPTOR WITH CHARGE TRANSPORT MATERIAL WITH TWO AZINE GROUPS

Abstract of the Disclosure

Improved organophotoreceptor comprises an electrically conductive substrate and
5 a photoconductive element on the electrically conductive substrate, the photoconductive
element comprising:

(a) a charge transport material having the formula



where n is an integer between 2 and 6, inclusive;

10 R₁ and R₂ are, independently, H, halogen, carboxyl, hydroxyl, thiol, cyano, nitro,
aldehyde group, ketone group, an ether group, an ester group, a carbonyl group, an alkyl
group, an alkaryl group, or an aryl group;

X is a linking group having the formula $-(CH_2)_m-$, branched or linear, where m is
an integer between 0 and 20, inclusive, and one or more of the methylene groups can be
15 optionally replaced by O, S, C=O, O=S=O, urethane, urea, an ester group, a NR₃ group, a
CHR₄ group, or a CR₅R₆ group where R₃, R₄, R₅, and R₆ are, independently, H, an alkyl
group, an alkaryl group, a heterocyclic group, or an aryl group;

Y comprises a bond, C, N, O, S, a branched or linear $-(CH_2)_p-$ group where p is an
integer between 0 and 10, an aromatic group, a cycloalkyl group, a heterocyclic group, or
20 a NR₇ group where R₇ is hydrogen atom, an alkyl group, or aryl group, wherein Y has a
structure selected to form n bonds with the corresponding X groups; and

Z is a fluorenylidene group; and

(b) a charge generating compound. Corresponding electrophotographic
apparatuses and imaging methods are described.